SERVICE MANUAL

PARTS LIST
EXPLODED VIEW
DIAGRAMS

MODEL

ST110, ST120, ST130,

C.E.C.
Chuo Denki

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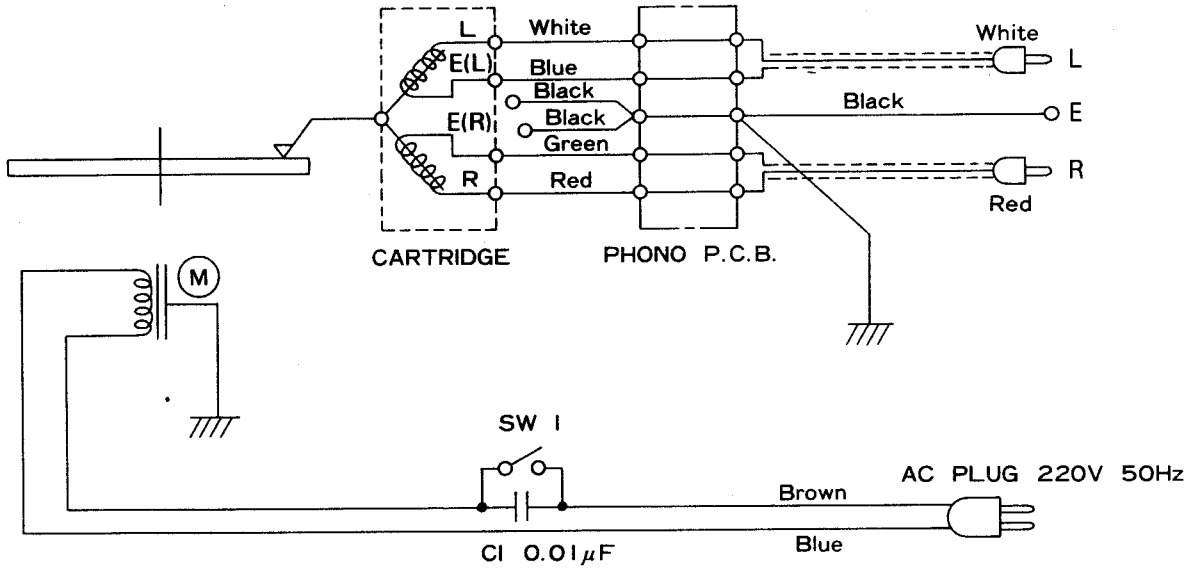
Version	Destination
EUR	Europe (220V 50HZ)
CND	Canada (120V 60HZ)
AUS	Australia (240V 50HZ)

Version EUR



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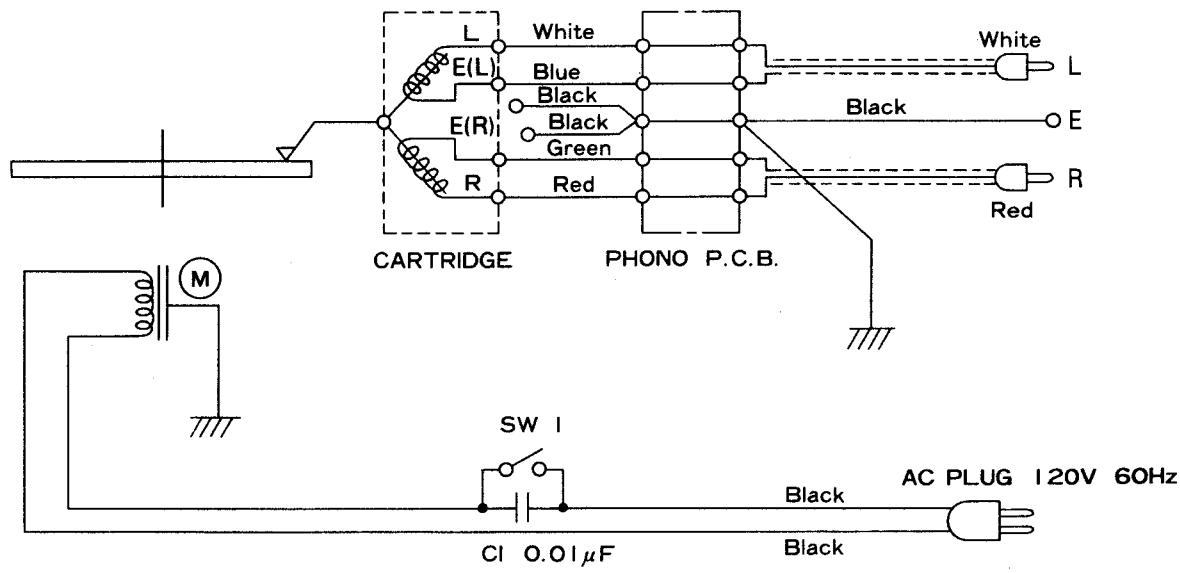

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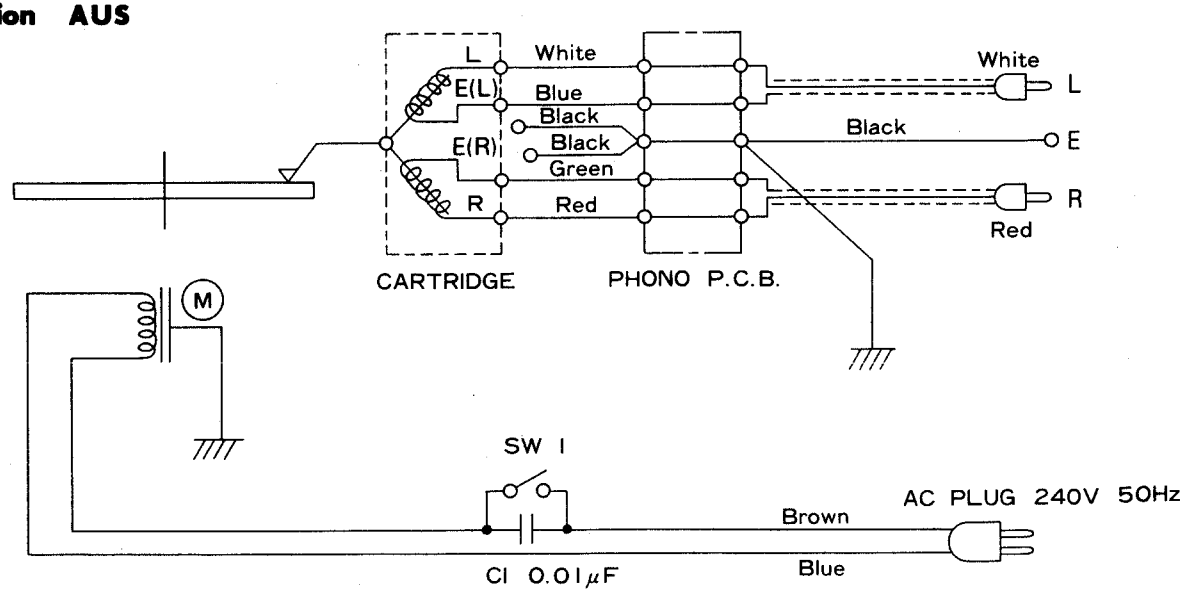


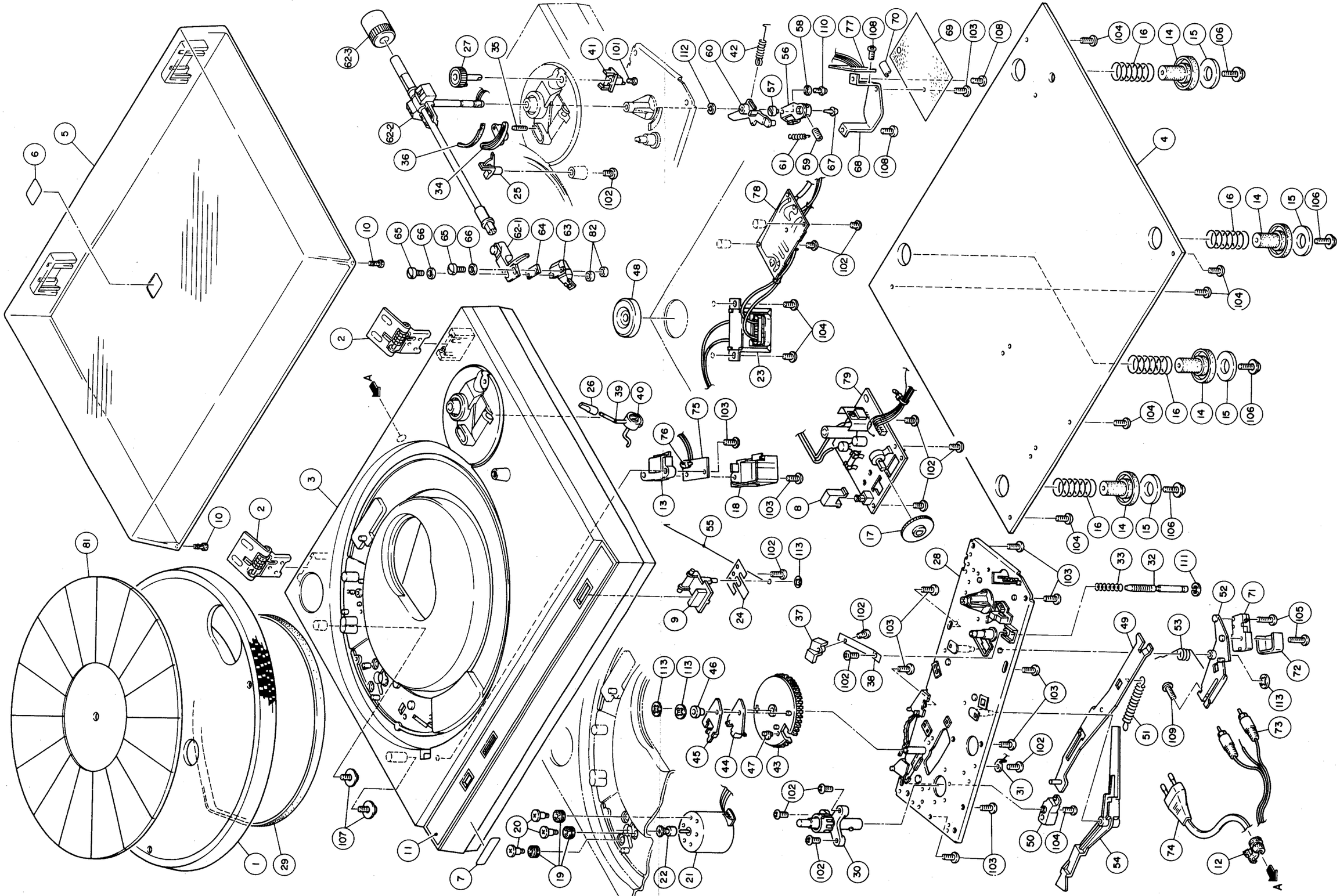
Ref. No.	Parts No.	Description	Version
1	D 2037703	Turntable platter	
2	K 4786900	Hinge	
3	D 1005300	Cabinet	
4	H 3172900	Plate bottom	
5	D 2098300	Lid	
6	K 4799800	Name plate	EUR, CND
6	K 4831400	Name palte	AUS
7	K 4852200	Name plate	EUR
8	D 4850000	knob	
9	D 4850200	Knob	
10	131 2290413400	Pad lid	
11	K 3173200	Panel control	EUR, CND
11	K 3173202	Panel control	AUS
12	D 4442100	Bushing	EUR, AUS
12	131 2611121300	Bushing	CND
13	D 3172601	Filter	
14	D 4851000	Cushion	
15	131 2520323600	Felt	
16	134 2510215000	Spring mounting	
17	A 4850400	Plate	
18	D 4850800	Cushion	
19	A 4850100	Arm	
20	D 4849700	Arm	
21	134 2240319600	Angle mount	
22	134 2410627000	Shaft	
23	E 4849600	Spring	
24	A 4850300	Plate	
25	C 4850600	Arm rest assy.	
26	134 2160118200	Knob	
27	D 4850700	Knob	
28	D 2098200	Unit plate	
29	D 4420400	Belt	
30	C 4851700	Shaft T.T. assy.	
31	4237921520	Terminal lug	
32	134 2411614000	Spindle lifting	
33	134 2510124700	Spring	
34	134 2331011900	Support arm	
35	B 4542500	Screw	
36	D 4402701	Cushion	
37	134 2410824400	Plate	
38	134 2510310900	Spring plate	
39	134 2412018400	Lever	
40	134 2412112000	Guide	
41	134 2412412600	Cam	
42	E 4851600	Spring	
43	134 2411011100	Gear cycling	
44	134 2412211800	Trip	
45	A 4841700	Trip	

Ref. No.	Parts No.	Description	Version
46	134 2410700400	Collar	
47	D 4843400	Pin	
48	D 4310000	45 rpm adapter	
49	134 0603511600	Return plate assy.	
50	134 2210612100	Holder	
51	134 2510124600	Spring	
52	134 2410821000	Plate	
53	134 2510130800	Spring	
54	134 2412319100	Arm	
55	E 4849500	Rod	
56	134 0602212200	Plate PU fix assy.	
57	134 2412412200	Cam	
58	131 2420317501	Wave washer	
59	131 2420115102	Screw	
60	134 2412017100	Lever	
61	134 2510120500	Spring	
62	C 3170801	Tonearm assy.	
62-1	C 4847001	Headshell assy.	
62-2	C 2097901	PU arm assy.	
62-3	C 4856400	Weight assy.	
63	F 4849000	Cartridge	EUR, AUS
64	A 4849100	Head spacer	EUR, AUS
65		Screw (–) 2.6 x10	EUR, AUS
66		Washer	EUR, AUS
67	134 2411710600	Support shaft	
68	134 2240321900	Angle mount	
69	F 4850900	Cover shield	
70	134 2520512000	Cushion	
71	4231921995	SW Micro	
72	131 2140110300	Cover	EUR, AUS
73	F 4848900	Terminal lug	
74	4243200071	Power cord	EUR
74	F 4771001	Power cord	AUS
74	4243920390	Power cord	CND
75	F 3172400	Synchro motor	EUR, AUS
75	F 3172300	Synchro motor	CND
76	134 2640113002	Pulley motor	EUR, AUS
76	134 2640113001	Pulley motor	CND
77	C2E FRM103C-S	Condenser	EUR, AUS
77	F 4795000	Condenser	CND
78	F 3132403	Wire shield assy.	EUR, AUS
78	131 0400414402	Wire shield assy.	CND
79	4226207950	PCB	
80	D 2062300	Turntable platter mat	
81		Nut	EUR, AUS

SCREWS, WASHERS AND NUTS

Ref. No.	Description
101	⊕ Brazier head taptite screw B ϕ2.6 x 6
102	⊕ Brazier head taptite screw B ϕ 3 x 8
103	⊕ Brazier head taptite screw B ϕ 3 x 10
104	⊕ Brazier head taptite screw B ϕ 3 x 12
105	⊕ Brazier head taptite screw B ϕ 3 x 16
106	⊕ Brazier head taptite screw B with plain washer ϕ 3 x 8
107	⊕ Brazier head taptite screw B with plain washer ϕ 3 x 10
108	⊕ Brazier head taptite screw B with plain washer ϕ 3 x 12

Ref. No.	Description
109	⊕ Pan head screw with spring washer M3 x 6
110	⊕ Pan head taptite screw B ϕ 3 x 10
111	⊕ Pan head taptite screw C ϕ 3 x 14
112	⊕ Pan head taptite screw B with plain washer ϕ2.6 x 6
113	E type washer ϕ 2
114	C type washer ϕ 5
115	Stop ring CSTW-3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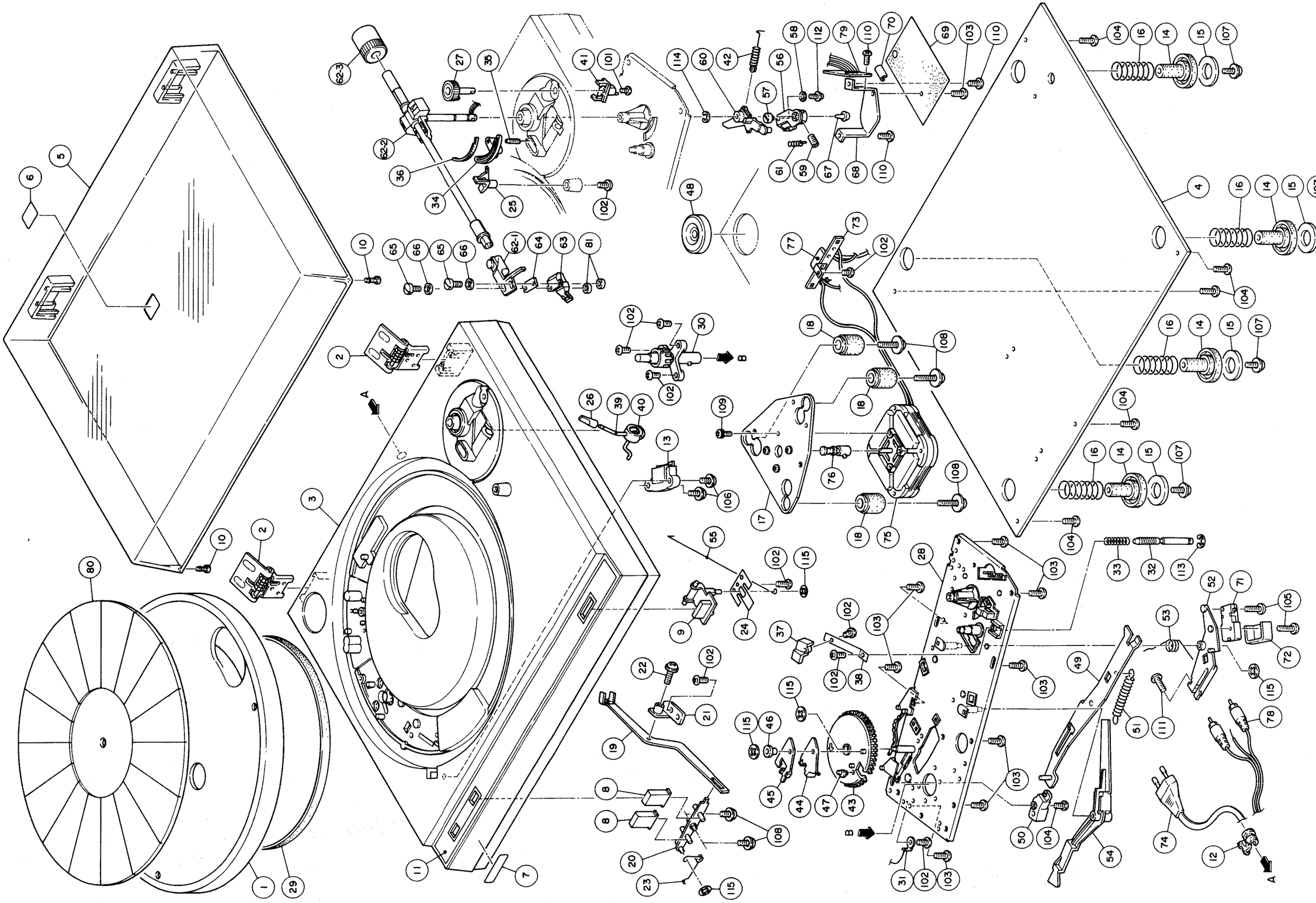
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Ref. No.	Parts No.	Description	Version
1	D 2045103	Turntable platter	
2	K 4786900	Hinge	
3	D 1005300	Cabinet	
4	H 3173000	Plate bottom	
5	D 2098300	Lid	
6	K 4799800	Name plate	EUR, CND
6	K 4831400	Name plate	AUS
7	K 4852200	Name plate	EUR
8	D 4849900	Knob	
9	D 4850200	Knob	
10	131 2290413400	Pad lid	
11	K 3173101	Panel control	EUR, CND
11	K 3173104	Panel control	AUS
12	D 4442100	Bushing	EUR, AUS
12	131 2611121300	Bushing	CND
13	D 3172600	Filter	
14	D 4851000	Cushion	
15	131 2520323600	Felt	
16	134 2510215000	Spring mounting	
17	D 4849800	Knob	
18	D 3172700	Cover	
19	134 2520211800	Rubber cushion	
20	134 2420113600	Screw	
21	F 3176300	Motor	
22	134 2640113900	Pulley	
23	F 3171601	Power trans.	EUR, AUS
23	F 3171801	Power trans.	CND
24	A 4850300	Plate	
25	C 4850600	Arm rest assy.	
26	134 2160118200	Knob	
27	D 4850700	Knob	
28	D 2098200	Unit plate	
29	134 2630211500	Belt	
30	C 4851700	Shaft T.T. assy.	
31	4237921520	Terminal lug	
32	134 2411614000	Spindle lifting	
33	134 2510124700	Spring	
34	134 2331011900	Support arm	
35	B 4542500	Screw	
36	D 4402701	Cushion	
37	134 2410824400	Plate	
38	134 2510310900	Spring plate	
39	134 2412018400	Lever	
40	134 2412112000	Guide	
41	134 2412412600	Cam	
42	E 4851600	Spring	
43	134 2411011100	Gear cycling	
44	134 2412211800	Trip	
45	A 4841700	Trip	
46	134 2410700400	Collar	
47	D 4843400	Pin	
48	D 4310000	45 rpm adapter	

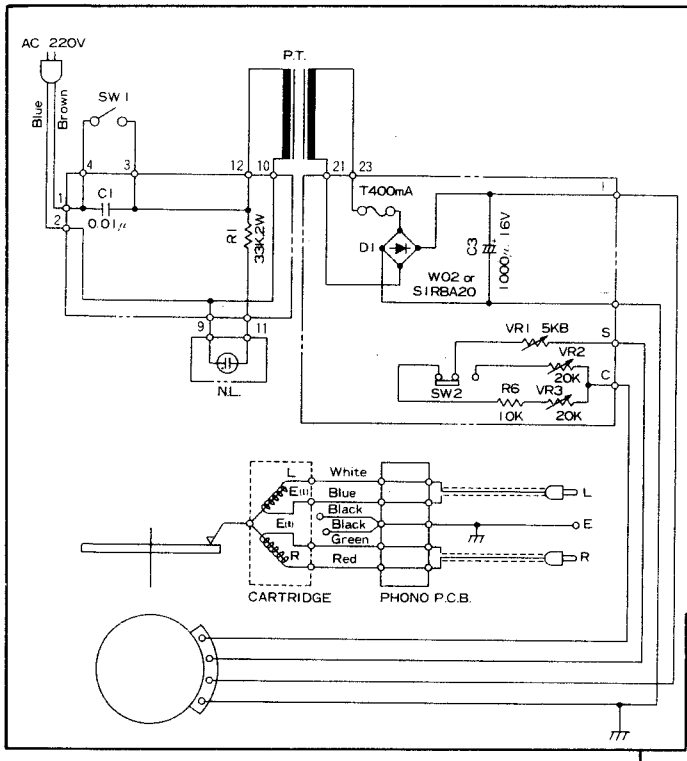
Ref. No.	Parts No.	Description	Version
49	134 0603511600	Return plate assy.	
50	134 2210612100	Holder	
51	134 2510124600	Spring	
52	134 2410821000	Plate	
53	134 2510130800	Spring	
54	134 2412319100	Arm	
55	E 4849500	Rod	
56	134 0602212200	Plate PU fix assy.	
57	134 2412412200	Cam	
58	131 2420317501	Wave washer	
59	131 2420115102	Screw	
60	134 2412017100	Lever	
61	134 2510120500	Spring	
62	C 3170801	Tonearm assy.	
62-1	C 4847001	Headshell assy.	
62-2	C 2097901	PU arm assy.	
62-3	C 4856400	Weight assy.	
63	F 4849000	Cartridge	EUR, AUS
64	A 4849100	Head spacer	EUR, AUS
65		Screw (–) 2.6 x 10	EUR, AUS
66		Washer	EUR, AUS
67	134 2411710600	Support shaft	
68	134 2240321900	Angle mount	
69	F 4850900	Cover shield	
70	134 2520512000	Cushion	
71	4231921995	SW Micro	
72	131 2140110300	Cover	EUR, AUS
73	F 3132403	Wire shield assy.	EUR, AUS
73	131 0400414402	Wire shield assy.	CND
74	4243200071	Power cord	EUR
74	F 4771001	Power cord	AUS
74	4243920390	Power cord	CND
75	4226204360	Printed circuit BD	
76	4612202700	Neon lamp	
76	4612220795	Neon lamp	
77	4226207950	PCB	
78	F 3170201	Power PCB	
C1	C2E FRM103 C	Condenser	EUR, AUS
C1	F 4795000	Condenser	CND
R1	R3D XBJ333 A	OMF 33KΩ 2W	EUR, AUS
R1	R3A XBJ103 A	OMF 10KΩ 1W	CND
79	F 3170202	Control PCB	
C3	C1C RE108 A	Elect. 1000μ 16V	
R6	R2E DPJ103 A	Carbo 10K 1/4W	
D1	DGG W02	Diode bridge	
VR1	F 3170502	VR 5KB	
VR2	4222201040	Semi fixed 20KB	
VR3	4222201040	Semi fixed 20KB	
SW2	F 3170600	SW push 1 KEY	
80	4234921631	Fuse	EUR
81	D 2062300	Turntable platter mat	
82		Nut	EUR, AUS

SCREWS, WASHERS AND NUTS

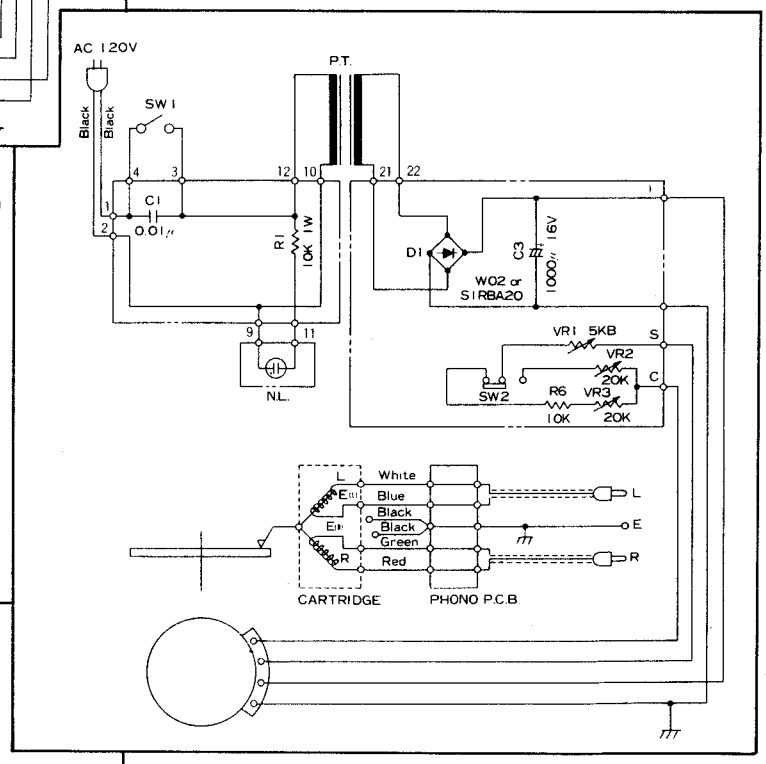
Ref. No.	Description
101	⊕ Brazier head taptite screw B φ2.6 x 6
102	⊕ Brazier head taptite screw B φ 3 x 8
103	⊕ Brazier head taptite screw B φ 3 x 10
104	⊕ Brazier head taptite screw B φ 3 x 12
105	⊕ Brazier head taptite screw B φ 3 x 16
106	⊕ Brazier head taptite screw B with plain washer φ 3 x 10
107	⊕ Brazier head taptite screw B

Ref. No.	Description
	with plain washer φ 3 x 12
108	⊕ Pan head taptite screw B φ 3 x 10
109	⊕ Pan head taptite screw C φ 3 x 14
110	⊕ Pan head taptite screw B with plain washer φ2.6 x 6
111	E type washer φ 2
112	C type washer φ 5
113	Stop ring CSTW-3

Version EUR



Version CND



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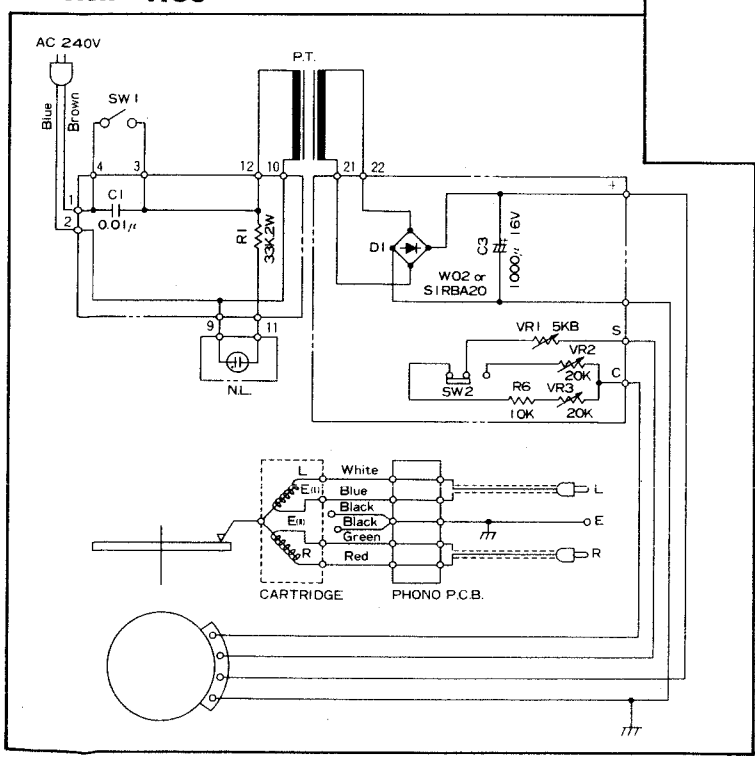

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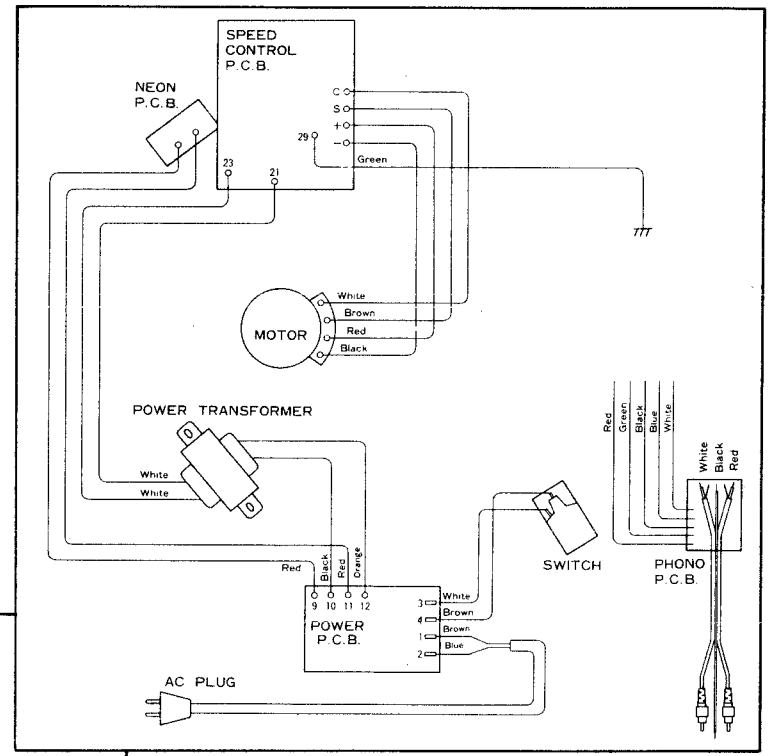

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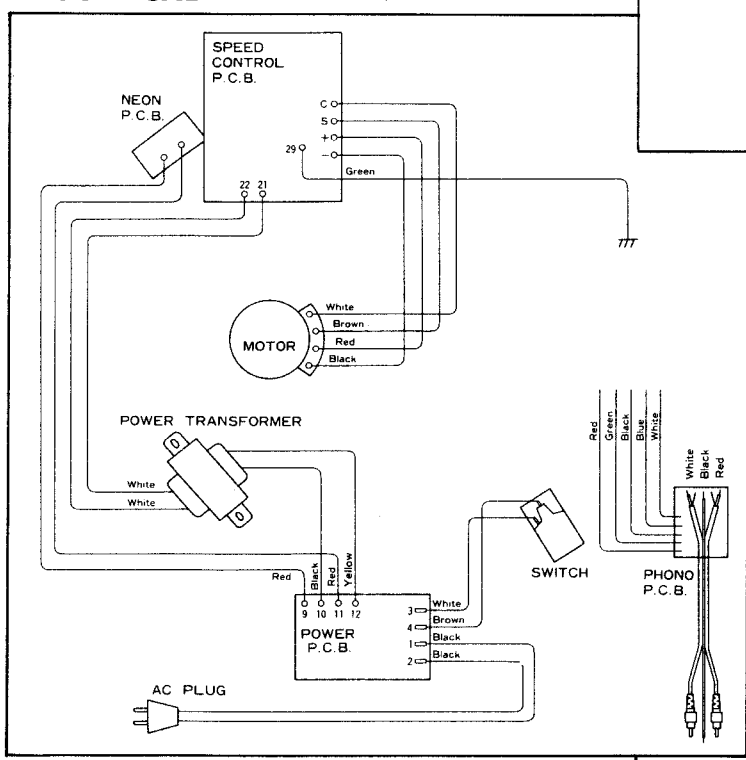
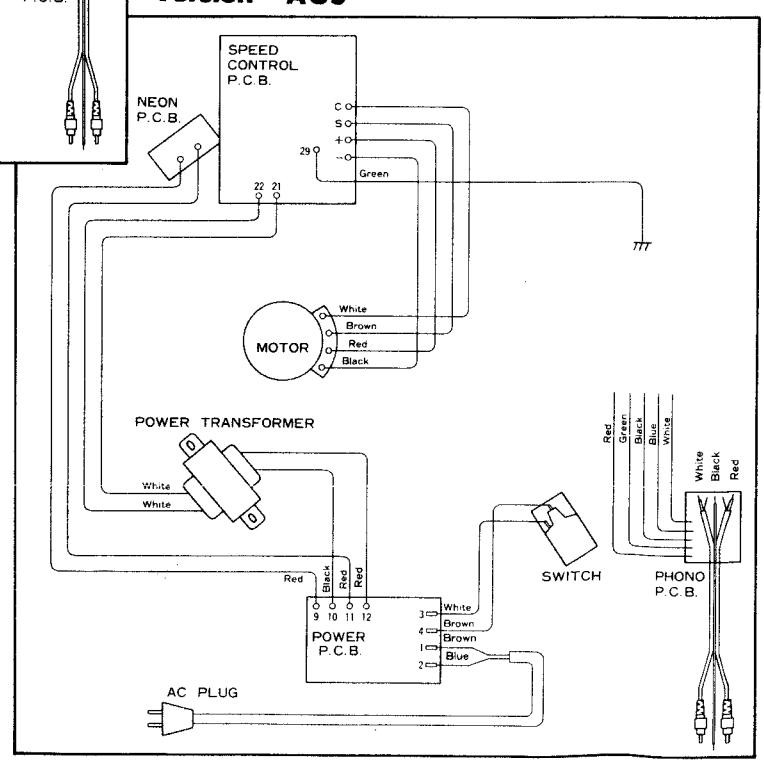
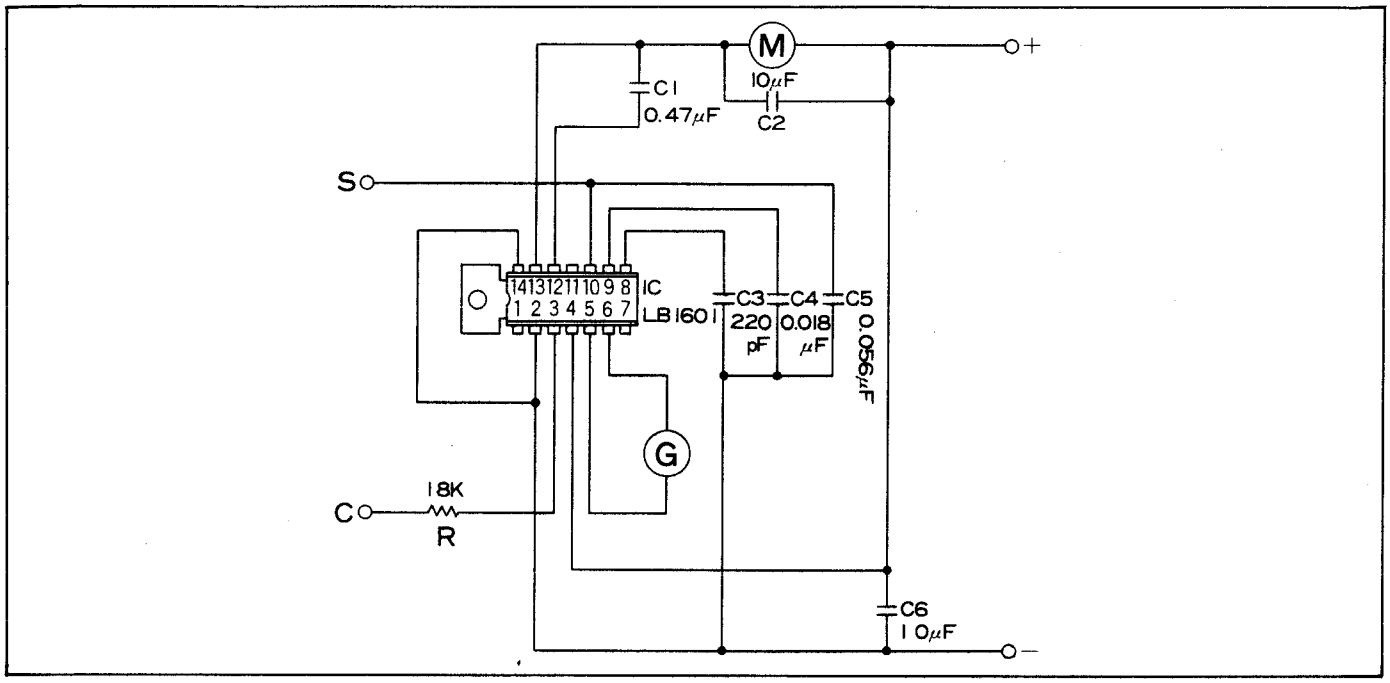


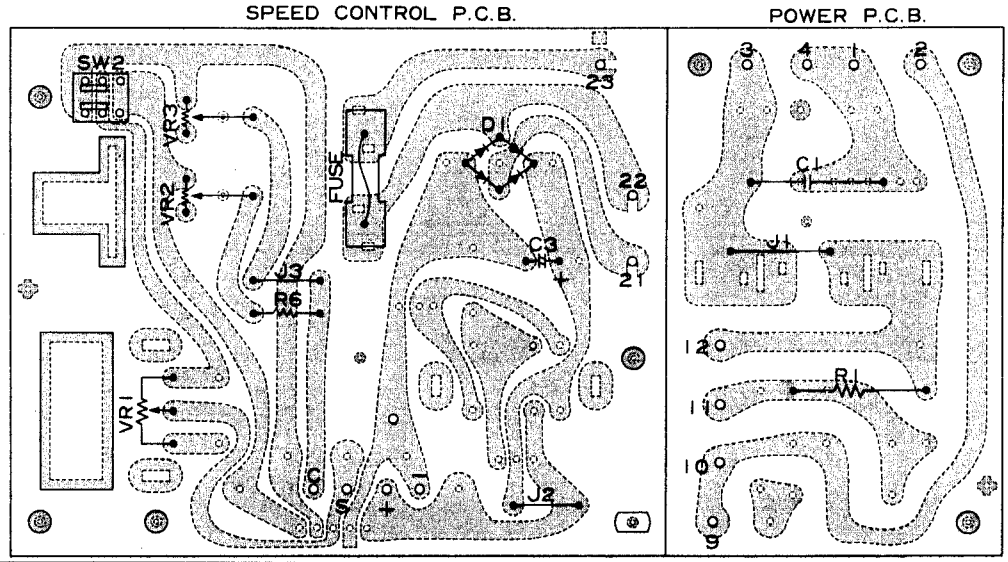
Version AUS



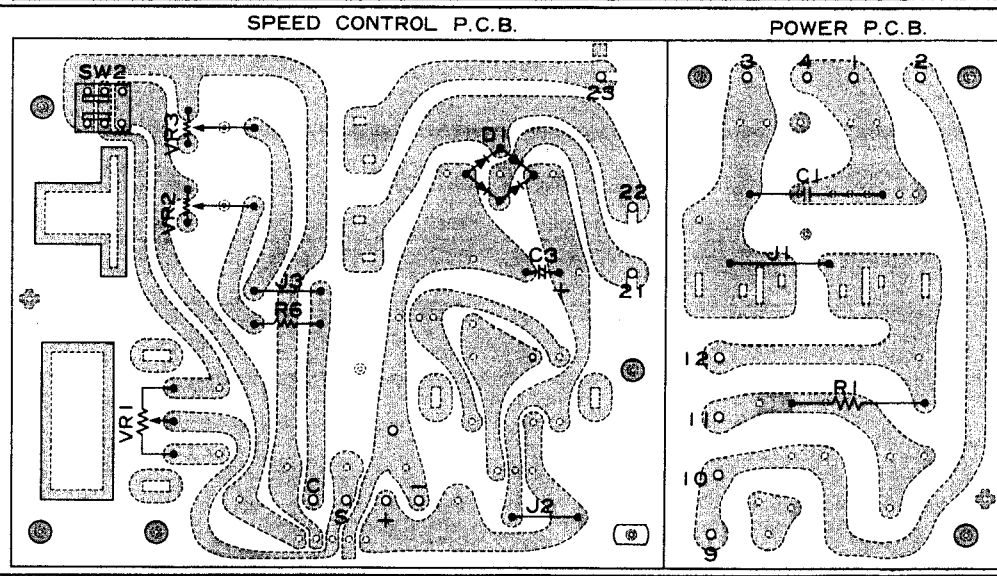


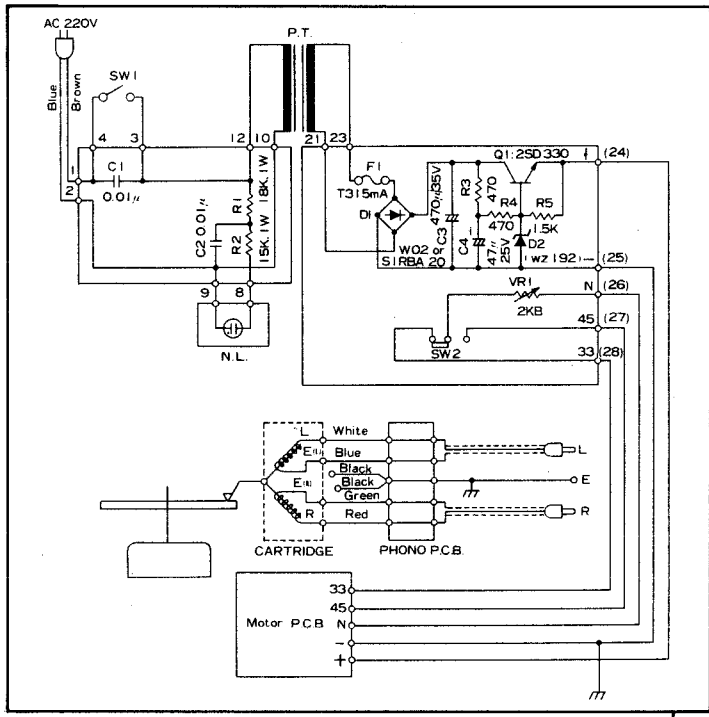
PRINTED CIRCUIT BOARD

Version EUR



Version CND, AUS



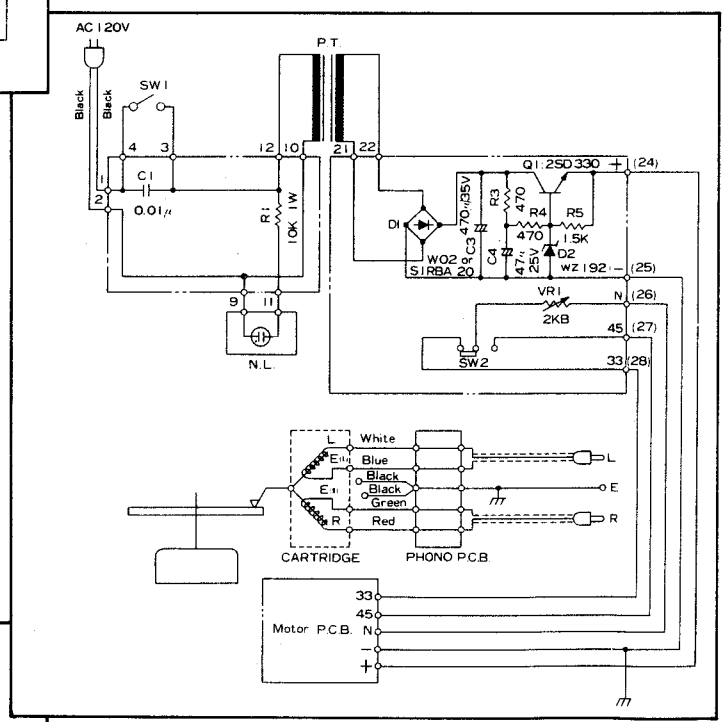


Version EUR

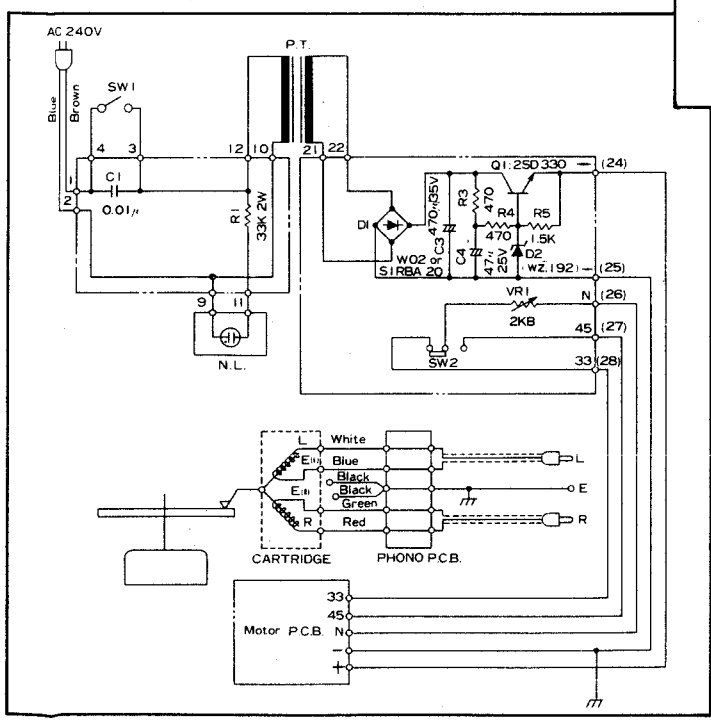
NOTE: The following arrangements are subject to be applicable upon safety approval at the same time:

1) R2 and C2 will be deleted.
2) R1 will be changed to 33 KΩ.
3) Point 8 will be changed to 11.

Version CND



Version AUS



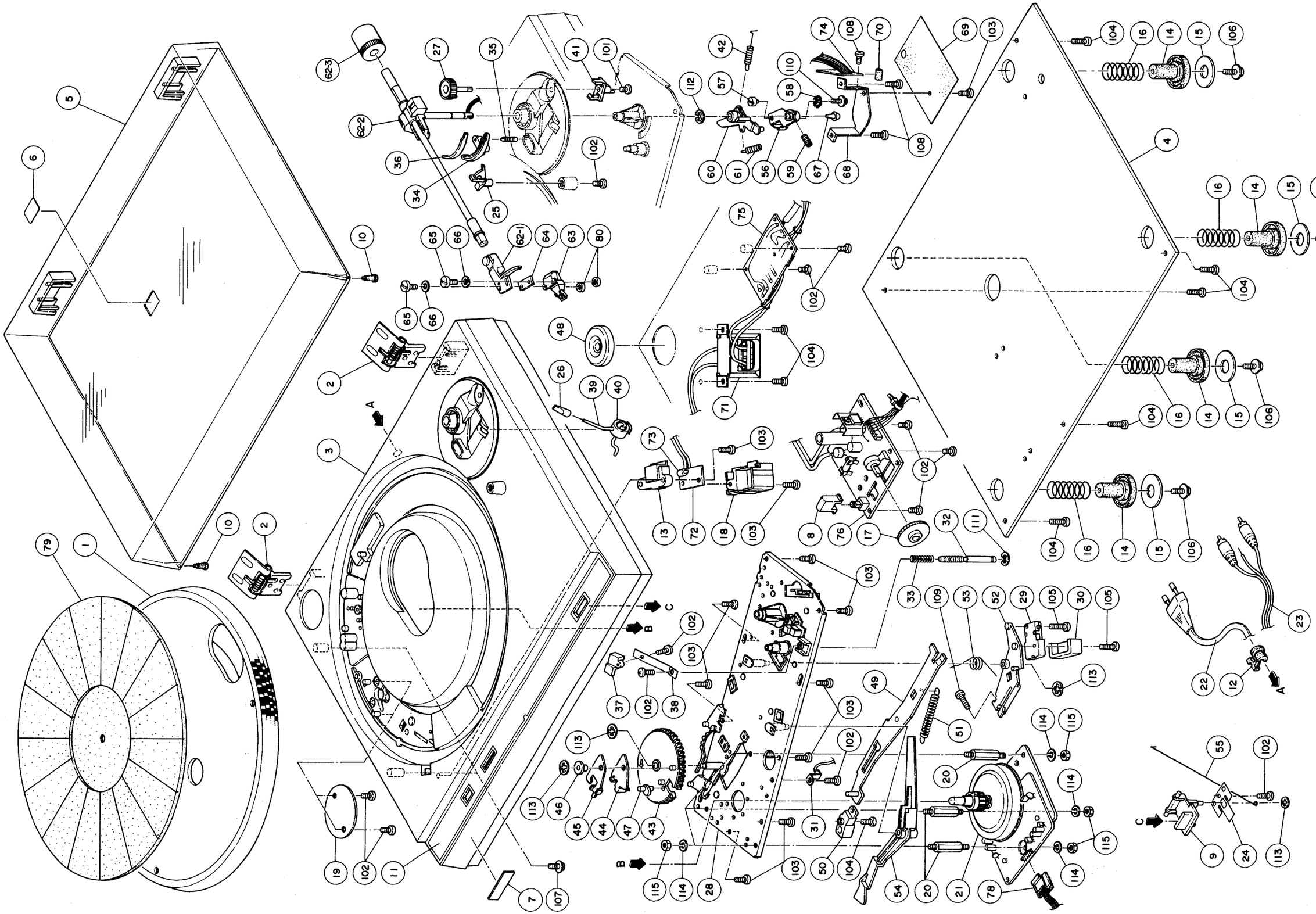
Ref. No.	Parts No.	Description	Version
1	D 2045101	Turntable platter	
2	K 4786900	Hinge	
3	D 1005300	Cabinet	
4	H 3172800	Plate bottom	
5	D 2098300	Lid	
6	K 4799800	Name plate	EUR, CND
6	K 4831400	Name plate	AUS
7	K 4852200	Name plate	EUR
8	D 4849900	Knob	
9	D 4850200	Knob	
10	131 2290413400	Pad lid	
11	K 3173100	Panel control	EUR, CND
11	K 3173103	Panel control	AUS
12	D 4442100	Bushing	EUR, AUS
12	131 2611121300	Bushing	CND
13	D 3172600	Filter	
14	D 4851000	Cushion	
15	131 2520323600	Felt	
16	134 2510215000	Spring mounting	
17	D 4849800	Knob	
18	D 3172700	Cover	
19	A 4351701	Blind	
20	B 4853900	Spacer	
21	C 2099000	Motor assy.	
22	4243200071	Power cord	EUR
22	F 4771001	Power cord	AUS
22	4243920390	Power cord	CND
23	F 3132403	Wire shield assy.	EUR, AUS
23	131 0400414402	Wire shield assy.	CND
24	A 4850300	Plate	
25	C 4850600	Arm rest assy.	
26	134 2160118200	Knob	
27	D 4850700	Knob	
28	D 2098200	Unit plate	
29	4231921995	SW Micro	
30	131 2140110300	Cover	EUR, AUS
31	4237921520	Terminal lug	
32	134 2411614000	Spindle lifting	
33	134 2510124700	Spring	
34	134 2331011900	Support arm	
35	B 4542500	Screw	
36	D 4402701	Cushion	
37	134 2410824400	Plate	
38	134 2510310900	Spring plate	
39	134 2412018400	Lever	
40	134 2412112000	Guide	
41	134 2412412600	Cam	
42	E 4851600	Spring	
43	134 2411011100	Gear cycling	
44	134 2412211800	Trip	
45	A 4841700	Trip	
46	134 2410700400	Collar	
47	D 4843400	Pin	
48	D 4310000	45 rpm adapter	
49	134 0603511600	Return plate assy.	

Ref. No.	Parts No.	Description	Version
50	134 2210612100	Holder	
51	134 2510124600	Spring	
52	134 2410821000	Plate	
53	134 2510130800	Spring	
54	134 2412319100	Arm	
55	E 4849500	Rod	
56	134 0602212200	Plate PU fix assy.	
57	134 2412412200	Cam	
58	131 2420317501	Wave washer	
59	131 2420115102	Screw	
60	134 2412017100	Lever	
61	134 2510120500	Spring	
62	C 3170801	Tonearm assy.	
62-1	C 4847001	Headshell assy.	
62-2	C 2097901	PU arm assy.	
62-3	C 4856400	Weight assy.	
63	F 4849000	Cartridge	EUR, AUS
64	A 4849100	Head spacer	EUR, AUS
65		Screw (–) 2.6 x 10	EUR, AUS
66		Washer	EUR, AUS
67	134 2411710600	Support shaft	
68	134 2240321900	Angle mount	
69	F 4850900	Cover shield	
70	134 2520512000	Cushion	
71	F 3171101	Power trans.	EUR
71	F 3171201	Power trans.	AUS
71	F 3171301	Power trans.	CND
72	4226204360	Printed circuit B.D.	
73	4612202700	Neon lamp	
73	4612220795	Neon lamp	
74	4226207950	PCB	
75	F 3170201	PCB	
R1	R3A XBJ183 A	OMF 18K 1W	EUR
R1	R3D XBJ333 A	OMF 33K 2W	AUS
R1	R3A XBJ103 A	OMF 10K 1W	CND
R2	R3A XBJ153 A	OMF 15K 1W	EUR
C1	C2E FRM103C-S	Condenser	EUR, AUS
C1	F 4795000	Condenser	CND
C2	C2E FRM103C-S	MYLAR 0.01μF 250V	EUR
76	F 3170202	PCB	
R3	R2E DBJ471 A	CARBO 470 1/4W	
R4	R2E DPJ471 A	CARBO 470 1/4W	
R5	R2E DPJ152 A	CARBO 1.5K 1/4W	
C3	C1V RE477 A	ELECT 470μF 35V	
C4	C1E RE476 A	ELECT 47μF 25V	
D1	DGG W02	DIODE BRIDGE	
D2	DJJ WZ192	ZENER DIODE WZ-192	
Q1	203 5857033040	2SD 330D	
Q1	203 5857033050	2SD 330E	
VR1	F 3170501	VR 2K-B	
SW2	F 3170600	SW Push 1KEY	
77	4234921411	Fuse	EUR
78	C 4849300	Cord assy.	
79	D 2062300	Turntable platter mat	
80		Nut	EUR, AUS

SCREWS, WASHERS AND NUTS

Ref. No.	Description	
101	⊕ Brazier head taptite screw B	φ2.6 x 6
102	⊕ Brazier head taptite screw B	φ 3 x 8
103	⊕ Brazier head taptite screw B	φ 3 x 10
104	⊕ Brazier head taptite screw B	φ 3 x 12
105	⊕ Brazier head taptite screw B	φ 3 x 16
106	⊕ Brazier head taptite screw B with plain washer	φ 3 x 10
107	⊕ Brazier head taptite screw B with plain washer	φ 3 x 12
108	⊕ Pan head taptite screw B	φ 3 x 10

Ref. No.	Description	
109	⊕ Pan head taptite screw C	φ 3 x 14
110	⊕ Pan head taptite screw B with plain washer	φ2.6 x 6
111	E type washer	φ 2
112	C type washer	φ 5
113	Stop ring	CSTW-3
114	Spring washer	φ 3
115	Hexagon nut	M3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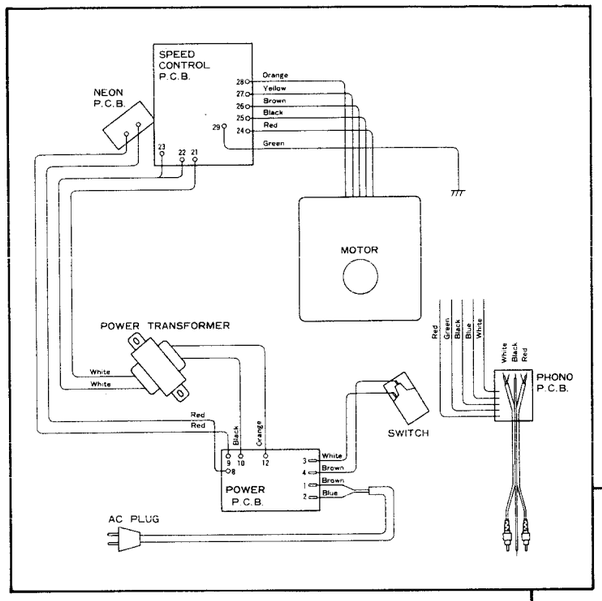
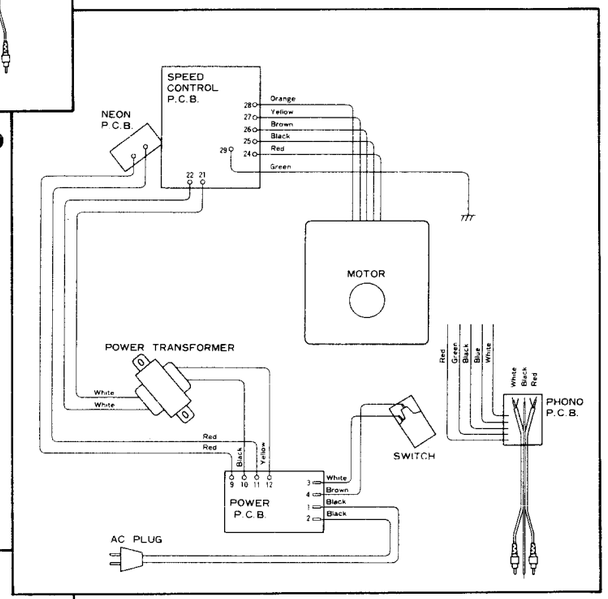
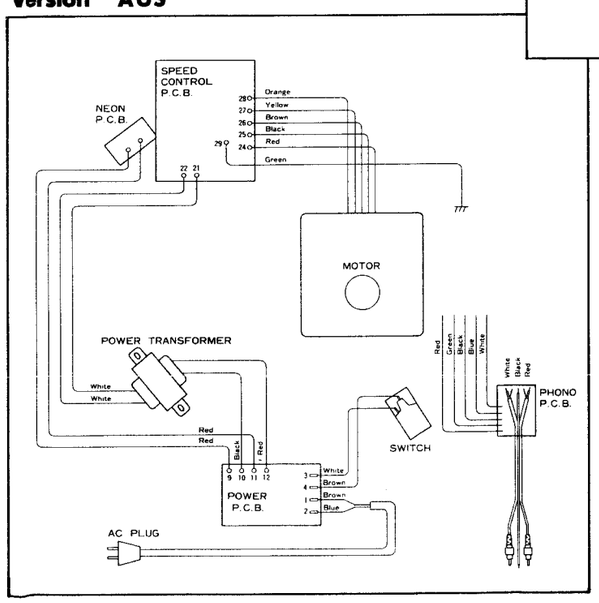
Version EUR

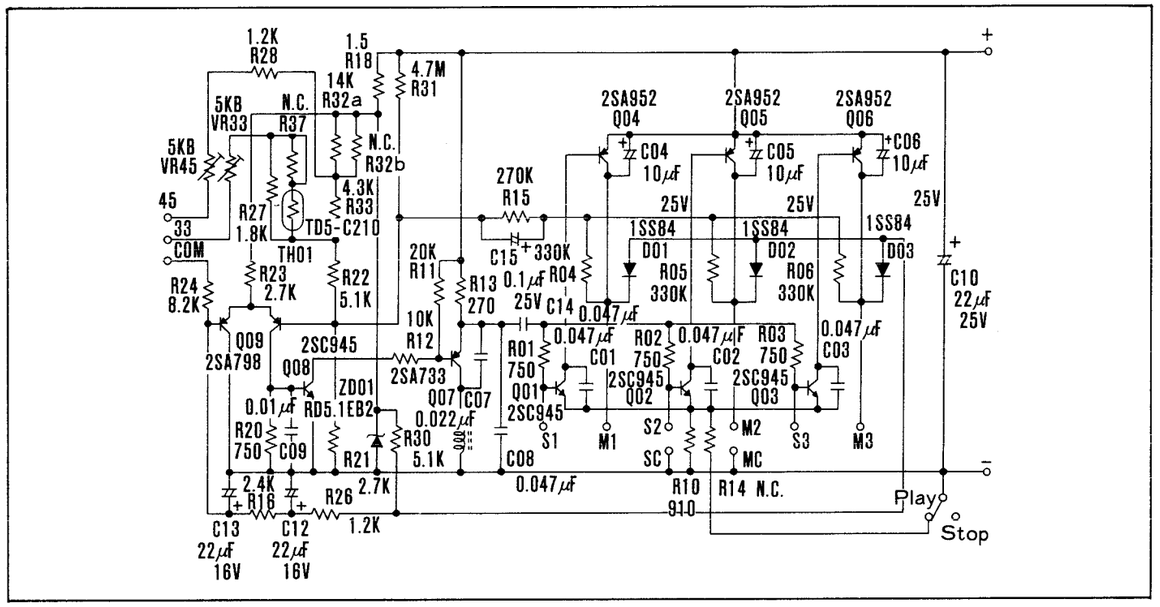


Version CND



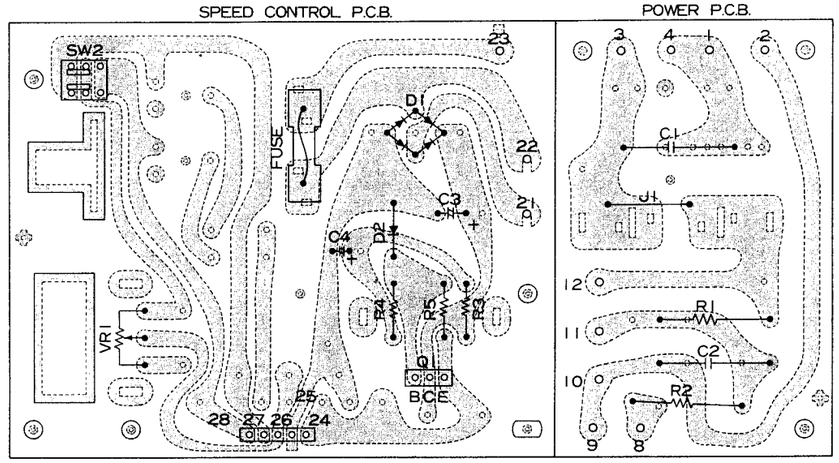
Version AUS





PRINTED CIRCUIT BOARD

Version EUR



Version CND, AUS